Module 2

Strategic Working Group Meeting
June 17, 2014

Recap of TWG Issues for SWG

Envelope

- **Use Amir's AIA 2030 project as a model for defining geometry, rather than the CAST method. Still have basic geometric shapes, but have a more flexible naming convention for the surfaces**
- **U-factor not R-value for glazing**
- **Rework the giant list of Wall, Ceiling, Foundation construction types to see if it can be made to apply to any surface (may or may not be possible)**
- **How to handle issue of having two terms to define the same thing, such as "number of glass layers" and "Glazing system layer description."**

Measures

- AUC classification based on FEMP seems like a good place to start. Could add more on "operations" and "behavior."
- Don't need to have a measure "index" or classification code, e.g., the "AB CD EFGH" as this pertains to implementation.
- Need to think more about how to define "savings" --just include energy consumption pre- and post- , or have an explicit definition of savings compared to a baseline--but normalize how?
- Costs--don't need detailed financial data for now
- Refer to CPUC's DEER website as another source for measures and see how they are classifying measures

Energy Generation & Storage

- **Differentiating between input and output seems like a good approach for characterizing generation terms**
- **Should add "phase change" to storage type**
- **There was discussion about trying to separate general terms from the system specific fields. Year of manufacture and location are generic fields that can be applied to any system and are not specific to energy storage.**

Recap of TWG Issues (continued)

Controls & Operation

- "Operator event" may not need to be specified. Instead have counts of main functions to allow for normalization by building type
- Schedules as a category look good
- "Set points" don't need to be defined by equipment type

Compatibility and Compliance

- **Discussion about whether either compatibility or compliance are defined properly, based on discussions during and after the TWG meeting.**
- **Disagreement with idea of having to publish schemas to be compliant, including field mappings**
- **Revisit this discussion in SWG**

Implementation: Models for Hosting (recap)

1. **Who can best host?**

2. **Review of the 7 criteria:**
    - **Accessibility**
    - **Support**
    - **Neutrality**
    - **Expertise**
    - **Stability**
    - **Flexibility & Adaptability**
    - **Promotion and Market Engagement**

Two Scenarios for hosting BEDES:

1. **Open-source hosting: user community contributes and determines best practices**

2. **Hybrid model: Public sector host, e.g., DOE, provides *initial* institutional support for a new non profit that would host BEDES. Examples include NFRC, Green Button, Kuali Foundation, others**

Presentation on a self-supporting models for BEDES

BEDES Compliance and Compatibility

What does BEDES Compliance & Compatibility mean?

	Compliant	Compatible
Field names	Mapped or Identical (?) to BEDES term names	Mapped to BEDES term names
% BEDES terms	?? (100% ?)	?? (> 0%)
Mapping approved by BEDE org	Yes	Yes
Mapping published on BEDES org website	Yes	Yes
Schema published on BEDES org website	Yes for public implementations Optional for proprietary implementations	Yes for public implementations Optional for proprietary implementations

- **Audit Use Case Pilot – Bob Hendron**

- **Established methodology – California Facilitated Use case – Marc Costa**

- **New Pilot – No existing schema, e.g., what would a water project look like?**
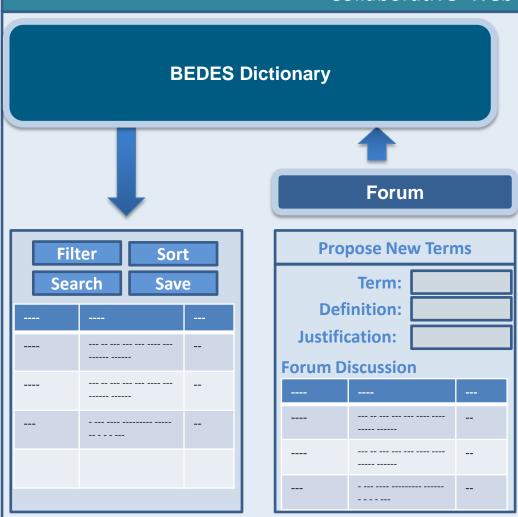
Implementation: The BEDES Website

What would be hosted on a BEDES Website?

- **Dictionary—searchable database?**

- **BEDES-Compliant Use Cases**

- **Interactive BEDES Forum and discussion topics**

- **Communicating updates and other changes**

- **Other:**

BEDE Platform

Building Energy Data Exchange Specification Collaborative Web Platform

BEDES Dictionary

BEDES Compliant/Compatible Schemas for public implementations
BEDES Compliant/Compatible mappings for proprietary implementations

Forum

Filter	Sort
Search	Save

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Propose New Terms

Term:
Definition:
Justification:

Forum Discussion

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What	Description	Website	Forum	Schema
UMP	XXX	www.xxx.org	xxx.forum.org	xxx.schema.org
ESPM	YYY	www.yyy.org	xxx.forum.org	xxx.schema.org
HPXML	ZZZ	www.xxx.org	xxx.forum.org	xxx.schema.org

Next Steps and Wrap-Up

- **Focus on terms and definitions—post queries to the Forum**

- **Develop draft implementation plan, circulate for review**

- **Hold a discussion session at ACEEE Summer Study in August on potential California pilot**

- **Other:**

Parting thoughts

More from Lexicographer Samuel Johnson:

- **"Great works are performed not by strength but by perseverance"**

- **"Knowledge is of two kinds. We know a subject ourselves, or we know where to find information on it"**

- **"What is easy is seldom excellent"**